

Converting Colors

XYZ(70.9471, 88.5040, 65.7773)

Have a look what the booklet for
XYZ(70.9471, 88.5040, 65.7773)
contains.

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Color

**XYZ(70.9006, 88.4847,
65.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFFC4
RGB	205, 255, 196
RGB Percent	80%, 100%, 77%
CMY	0.1961, 0.0000, 0.2314
CMYK	0.20, 0.00, 0.23, 0.00
HSL	111°, 100%, 88%
HSV	111°, 23%, 100%
XYZ	70.9006, 88.4847, 65.5669
YIQ	233.3240, -10.8610, -28.9490

Conversions

Conversions Part 2

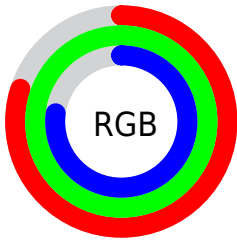
Format	Color
RYB	196, 255, 246
Decimal	13500356
CIELab	95.36, -26.56, 23.12
CIELCh	95, 35.211, 138.962
Yxy	88.4847, 0.3152, 0.3933
Android (android.graphics.Color)	4291690436 (0xFFCDDFC4)
YUV	233.3240, -18.4007, -24.8401
Hunter-Lab	94.0663, -30.0752, 24.5196

Details

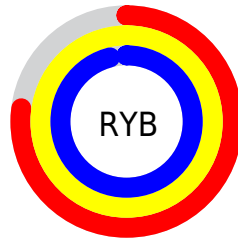
The XYZ color **70.9006, 88.4847, 65.5669** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.7969, 66.2939, 103.4088**, and the grayscale version is **77.8359, 81.8894, 89.1775**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **37.6542, 48.8252, 33.0308** is the 20% darker color. If you saturate the color by 10%, you get **62.6847, 84.5565, 51.2970**, and if you desaturate by 10%, it is **80.4343, 93.0350, 82.4761**.

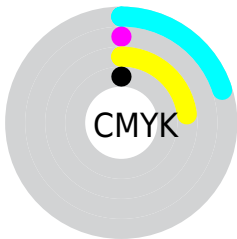
Distribution



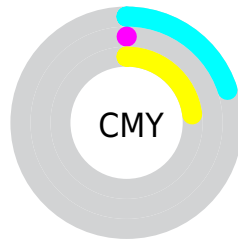
- Red (80%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9006, 88.4847, 65.5669 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.9006, 88.4847, 65.5669 by changing the saturation by 10% instead.


 70.9006, 88.4847,
65.5669

 70.9006, 88.4847,
65.5669


452.9231,
523.0892, 463.1882

 52.5433, 66.7246,
47.4666


119.5115,
145.2318, 114.4856

 37.6643, 48.8608,
33.0477


150.4958,
180.9875, 146.1410

 25.8983, 34.5091,
21.8916


186.4198,
222.1772, 183.1520

 16.8799, 23.2850,
13.5797

227.6489,
269.1853, 225.9370

 10.2436, 14.8041,
7.6935

274.5484,
322.3961, 274.9146

 5.6243, 8.6820,
3.8145

327.4837,

 2.6565, 4.5343,

382.1941, 330.5033

1.5242

386.8202,
448.9637, 393.1217

■ 0.9748, 1.9767,
0.2358

■ 0.0000, 0.5939,
0.0000

■ 70.9006, 88.4847,
65.5669

■ 70.9006, 88.4847,
65.5669

■ 62.6847, 84.5565,
51.2970

■ 80.4343, 93.0350,
82.4761

■ 55.7266, 81.2227,
39.5294

■ 91.3390, 98.2326,
102.1441

■ 49.9638, 78.4542,
30.1211

95.0500, 100.0000,
108.9000

■ 45.3278, 76.2190,
22.9129

■ 41.7430, 74.4820,
17.7259

■ 39.1242, 73.2039,
14.3534

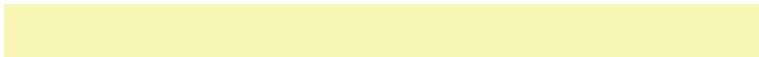
■ 37.3719, 72.3388,
12.5442

■ 36.5927, 71.9493,
11.9590

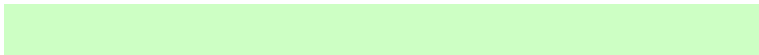
Harmonies

Analogous

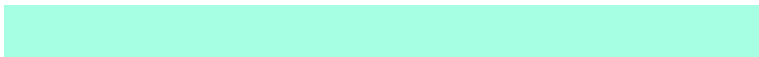
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2304, 88.4847, 54.4088



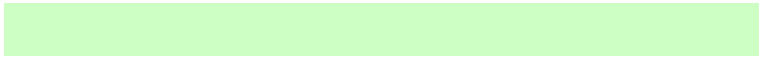
70.9006, 88.4847, 65.5669



67.2136, 88.4847, 86.5491

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9006, 88.4847, 65.5669



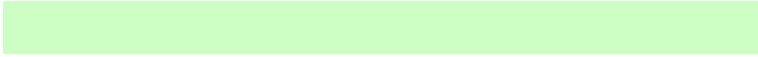
80.6083, 88.4847, 158.2928



102.8472, 88.4847, 80.1276

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.9006, 88.4847, 65.5669



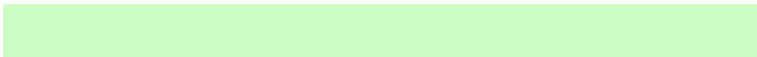
75.7969, 66.2939, 103.4088

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.6061, 88.4847, 106.8530



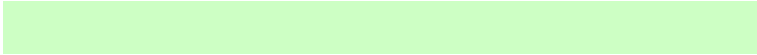
70.9006, 88.4847, 65.5669



90.2604, 88.4847, 155.6677

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9006, 88.4847, 65.5669



72.5268, 88.4847, 142.1088



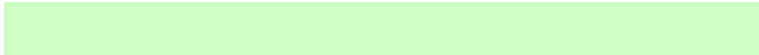
98.8482, 88.4847, 135.5024



96.8477, 88.4847, 61.6406

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9006, 88.4847, 65.5669



67.1134, 88.4847, 104.8400



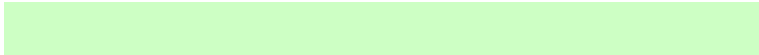
98.8482, 88.4847, 135.5024



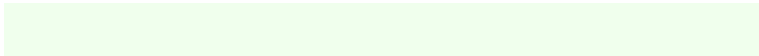
103.7399, 88.4847, 88.3214

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70.9011, 88.4849, 65.5682



86.9599, 96.1462, 94.2105



83.9070, 90.6515, 65.3010



18.4706, 20.5114, 19.9078



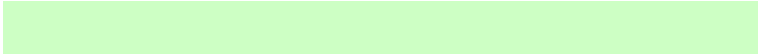
0.0000, 0.0000, 0.0000



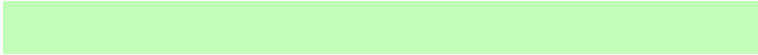
20.3446, 21.4041, 23.3091

Same Dimension

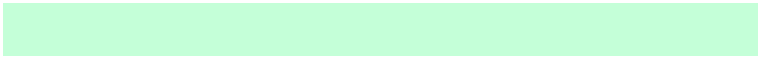
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9011, 88.4849, 65.5682



66.7441, 86.4983, 58.3059



70.8773, 88.1968, 78.0291



18.0294, 20.3011, 19.1126



19.1969, 37.6344, 6.2524



1.9410, 3.7014, 0.6121

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.7969, 66.2939, 103.4088



72.4538, 60.5877, 102.4836



76.0241, 66.7583, 87.7293



18.5045, 18.1518, 22.7783



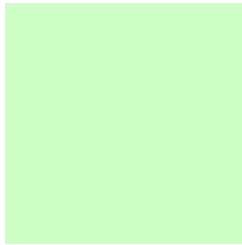
24.3479, 11.4623, 50.3638



2.4411, 1.1523, 4.9070

Previews

White Background



This preview shows how the XYZ color 70.9006, 88.4847, 65.5669 looks on a white background.

Color Contrast Check

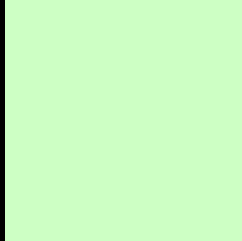
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 70.9006, 88.4847, 65.5669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

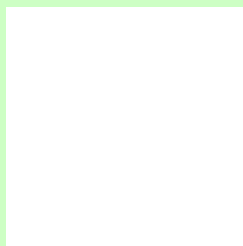
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9006, 88.4847, 65.5669

Background



This preview shows how black text looks on a background with the XYZ color 70.9006, 88.4847, 65.5669.



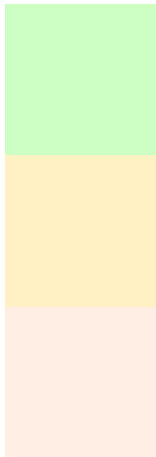
This preview shows how white text looks on a background with the XYZ color 70.9006, 88.4847,

65.5669.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.9006, 88.4847, 65.5669

Protanopia

82.6591, 88.1561, 64.8838

Deuteranopia

85.8181, 88.0105, 85.8634



Tritanopia

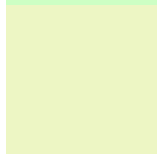
82.3956, 88.4153, 107.3309

Trichromacy



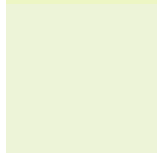
Original Color

70.9006, 88.4847, 65.5669



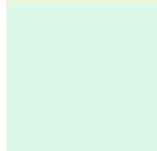
Protanomaly

77.8446, 87.9016, 65.0884



Deuteranomaly

79.6704, 87.6638, 77.6875



Tritanomaly

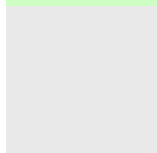
77.9339, 88.2910, 90.7762

Monochromacy



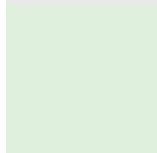
Original Color

70.9006, 88.4847, 65.5669



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.8050, 83.7659, 79.9359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9006, 88.4847, 65.5669 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 196)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 70.9006, 88.4847, 65.5669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 255, 196) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 255, 196) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(205, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9006, 88.4847, 65.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 196) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
255, 196) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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